

# FOOD DYES

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TECH CENTER 1600/2900

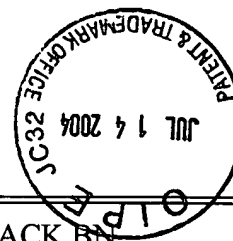
SPECS	FOOD COLOURS	GENERIC NAMES	C. I. N
	<u>TRATRAZINE</u>	FOOD YELLOW 4/ FD & C YELLOW 5/ ACID YELLOW 23	19140
	<u>SUNSET YELLOW FCF</u>	FOOD YELLOW 3/ FD & C YELLOW 6	15985
	<u>PONCEAU 4R / NEW COCCINE</u>	FOOD RED 7/ ACID RED 18	16255
	<u>CARMOISINE / AZORUBINE AS</u>	FOOD RED 7/ ACID RED 14	14720
	<u>INDIGO CARMINE / INDIGOTINE</u>	FOOD BLUE 1/ FD & C BLUE 2/ ACID BLUE 74	73015
	<u>ERYTHROSINE</u>	FOOD RED 14/ FD & C RED 3/ ACID RED 51	45430
	<u>AMARANATH</u>	FOOD RED 9/ FD & C RED 2/ ACID RED 27	16185
	<u>QUINOLINE YELLOW - WS</u>	FOOD YELLOW 13	47005
	<u>BRILLIANT BLUE FCF</u>	FOOD BLUE 2/ FD & C BLUE 1/ ACID BLUE 9	42090
	<u>CHOCOLATE BROWN / BROWN HT</u>	FOOD BROWN 3/ FOOD BROWN 2	20285
	<u>ALLURA RED</u>	FOOD RED 17	16035
	<u>PATENT BLUE V</u>	FOOD BLUE 15	42051
	<u>FOOD GREEN S/BRILLIANT GREEN BS</u>	FOOD GREEN 4	44090
	<u>BLACK PN / BRILLIANT BLACK BN</u>	FOOD BLACK 1	28440
	<u>FAST RED E</u>	-	16045

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## Specification / Application



SYNONYMS	BLACK PN * C. I. FOOD BLACK 1 * BRILLIANT BLACK BN
DEFINITION	Black PN consists essentially of tetrasodium-4-acetamido-5-hydroxy-6-[7-sulfonato-4'-(4-sulfonatophenylazo)-1-naphthylazo] naphthalene 1,7-disulfonate and subsidiary colouring matters together with sodium chloride and/or sodium sulfate as the principal uncoloured components.
	Black PN is described as the sodium salt. The calcium and the potassium salt are also permitted.
CLASS	Bisazo
COLOUR INDEX NO.	28440
EEC NUMBER	E-151
EINECS	219-746-5
CHEMICAL NAMES	Tetrasodium 4-acetamido-5-hydroxy-6-[7-sulfonato-4-(4-sulfonatophenylazo)-1-naphthylazo] naphthalene 1,7-disulfonate
CHEMICAL FORMULA	$C_{28}H_{17}N_5Na_4O_{14}S_4$
MOLECULAR WEIGHT	867.69
ASSAY	Content not less than 80% total colouring matters, calculated as the sodium salt
	E 1% 1cm 530 at ca 570 nm in solution
DESCRIPTION	Black powder
IDENTIFICATION	
a. Spectrometry	Maximum in water at ca 570 nm
b. Black - Bluish solution in water	
PURITY	Not more than 0.2%
Water Insoluble matter	
Subsidiary colouring matters	Not more than 10% (expressed on the dye-content)
	[4-acetamido-5-hydroxynaphthalene-1,7-disulfonic acid / 4-amino-5-

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Organic compounds other than colouring matters	hydroxynaphthalene-1,7-disulfonic acid / 8-aminonaphthalene-2-sulfonic acid / 4,4'-diazoaminodi-(benzenesulfonic acid)] - Total not more than 0.8%
Unulfonated primary aromatic amines	Not more than 0.01% (Calculated as aniline)
Ether extractable matter	Not more than 0.2% under neutral conditions
Arsenic	Not more than 3 mg/kg.
Lead	Not more than 10 mg/kg.
Mercury	Not more than 1 mg/kg.
Cadmium	Not more than 1 mg/kg.
Heavy metals	Not more than 40 mg/kg.
(as Pb)	



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